Data sheet

Art.No.: 81.000.6321.0

Switched-mode power supply WIPOS PB1 5-1.5

wipos switched-mode power supply, nominal voltage: 5 V DC / 1,5A, sustained short-circuit protection, input voltage range: 90-264 V AC / 120-375V DC, single phase, DIN rail mounted device 1 mod.

Art.No.	81.000.6321.0
EAN	4049088106132
Order Unit	1

Technical data

General

Connection type	Screw connection
Number of phases	Single phase power supply
Modular version	Yes
Mounting type, other	No
Mounting type, wall mounting	No
Rail mounting possible	Yes
Housing material	Plastic
Operating temperature min.	-40 °C
Operating temperature max.	71 °C
relative humidity min.	20 %
relative humidity max.	95 %
Storage temperature / transport min.	85 °C
Storage temperature / transport max.	-40 °C
Degree of protection (IP)	IP20
Pollution degree	2
Parallel-service possible	No

Technical data

Function display	"DC OK" LED grün (U(o) 3,5...4,5V)
function display "DC Low"	"DC LOW" LED rot (U(o) < 3,5...4,5V)
Short-circuit protective device	Strombegrenzung (fold forward)
temperature coefficient	±0,03%/K
ripple and noise	< 0.05 V
hold time 115V AC	> 20 ms
hold time 230V AC	> 100 ms
isolating voltage Output DC	4242 V
cohesive resistance (In-/Output)	100 MOhm
Derating	61°C...71°C: 2,5 %/K
cooling	free convection
MTBF	970.000h
Connector cross section (input	min. 0.2mm² (AWG24)max.2.5mm² (AWG12)

Connector cross section (output)	min. 0.2mm² (AWG24)max.2.5mm² (AWG12)
Wire strip length	5 mm
Permissible torque max.	0.56 Nm
CE-Norm	EN61000-6-3, EN 55022 Class B,EN61000-3-2, EN61000-3-3, EN61000-6-2,EN55024, EN61000-4-2, Level 4,EN61000-4-3 Level 3, EN61000-4-4 Level 4,EN61000-4-5 L-N Level 3, L/N-FG Level 4,EN61000-4-6 Level 3, EN61000-4-8 Level 4,EN61000-4-11, ENV 50204 Level 2,EN61204-3
Approval cULus	UL 508 Listed, UL60950-1 Recognized
Number of +	1
Number of -	1
Further terminals	L, N

Output

Type of output voltage	DC
Power output	7.5 W
Output voltage stabilized	Yes
Output voltage	5 V
Output current	1.5 A

Input

Type of voltage (input voltage)	
Primary voltage range	90 V
Min. input voltage	90 V
Max. input voltage	264 V
Rated frequency min.	47 Hz
Rated frequency max.	63 Hz
Max. starting current	30 A
Input fuse	T1A / 250 V AC (intern)
input protection	Varistor (voltage-sensitive resistor)

Dimensions

Depth	56.5 mm
Width	18 mm
Height	91 mm
Mounting Distance horizontal	25 mm
Mounting Distance vertical	25 mm
Weight	65 g

Classification

ECLASS 8.1	27049002
ETIM 7.0	EC002540
ETIM 6.0	EC002540
ETIM 5.0	EC002540
ETIM 3.0	EC001039

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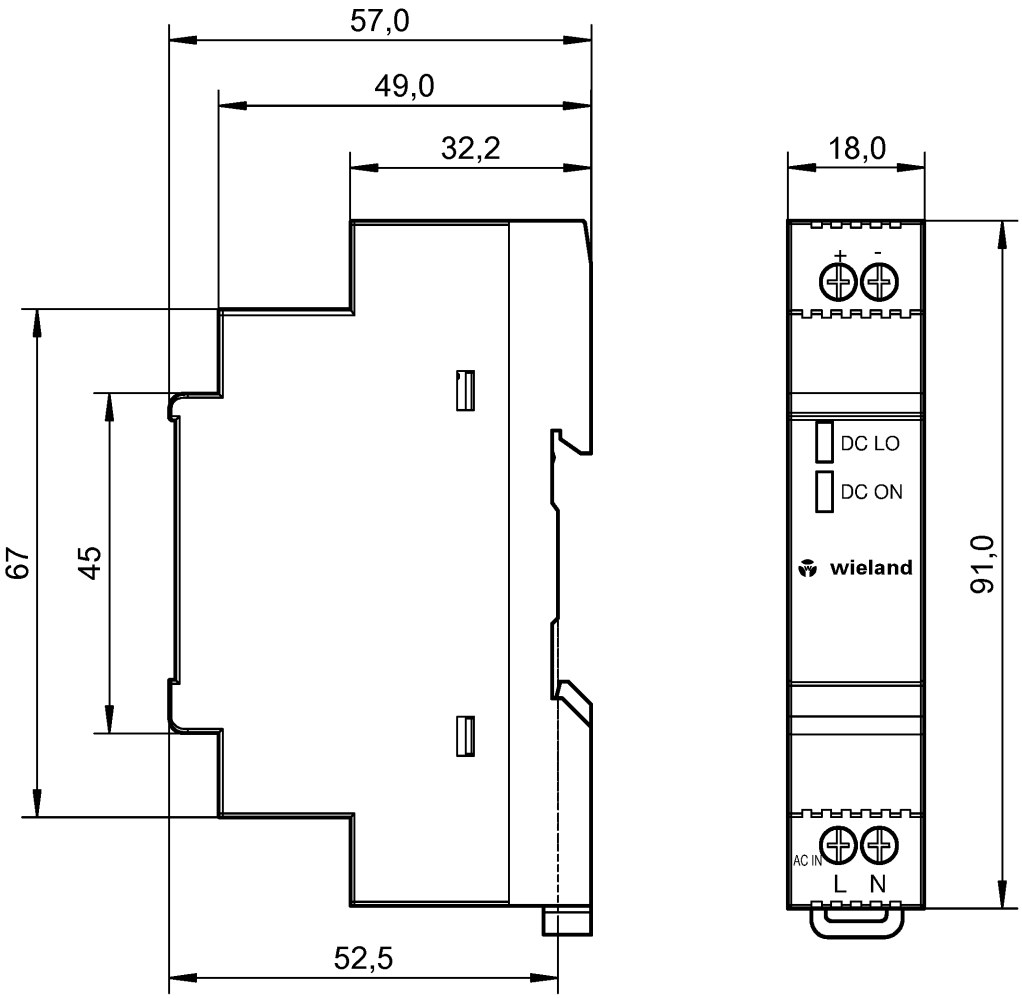

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Teile-Nr. / Part-No.	Typ / Type
81.000.6300.0	wipos PB1 24-0,42
81.000.6302.0	wipos PB1 12-0,83
81.000.6321.0	wipos PB1 5-1,5

Weitere Angaben siehe KATALOG oder eKatalog.
Additional data see CATALOG or eCatalog.

www.wieland-electric.com
eshop.wieland-electric.com

ja/yes ☒ Stoffverbots- und Deklarationsliste nach WN 5020.010 ist einzuhalten.
Conformity with Wieland document WN 5020.010 e (list of prohibited / declarable hazardous substances) to be declared!

Freitoleranz nach General tolerance	CAD-Zeichnung, keine manuellen Änderungen CAD-Drawing, no manual modifications allowed	1. Verwendung: First Use:	Blatt: Sheet:

Maßstab/Scale	Werkstoff/ Material	2016	Tag/ Date	Name	Zeichnung Nr./ Drawing No.
		gezeichnet drawn	26.02.	Koetzner	T 81.000.6300.0 01K
		geprüft checked			
		Normgepr. Stand. check			Maße in mm/Dimensions are in mm

Datei/ File: 031491__01K.DCD

Ersatz für/ Replacement for:

Index | Datum/ Blatt Date/ Sheet | Änderung/ Revision

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Type

Benennung/ Title: Teilespezifikation / Component specification

Schaltnetzteil / Switching Power Supply